

AMS-02 CDR Data Pack

Change Log

Last updated: May 10, 2003

DATE	DESCRIPTION OF CHANGE	FOLDER
April 17, 2003	Updated: Preliminary Agenda to add a Welding splinter meeting, add time for the ACOP splinter meeting, clarify splinter groups, and add CDR location information. Current version is <i>AMS CDR Agenda 041703.doc</i> .	0.0
	Added: CDR RID Forms with Instructions. (<i>RID Instructions-READ ME FIRST.doc</i>)	0.0
	Added: Drawing Indexes to the PIH Flight Drawing Package folder (1.2) and the GSE Drawings folder (1.3).	1.2, 1.3
	Replaced: SSP 57213, Alpha Magnetic Spectrometer (AMS-02) Attached Payload Hardware Interface Control Document. Correct version is: <i>57213 AMS H-W ICD CDR.doc</i> .	7.4
	Updated: CDR Document Index. Current version is <i>CDR Document Index 041703.doc</i> .	0.0
April 23, 2003	Added: Folders 1.1.8.1 through 1.1.8.13 containing structural drawings of the electronics crates and components.	1.1.8
	Added: Electrical Crates Structural Drawing Index	1.1.8
	Added: Drawing Indexes to the Avionics Flight Drawing folder (4.5) and the Avionics GSE Drawings folder (4.6).	4.5, 4.6
	Added: Folder for Schematics (4.7)	4.0
April 24, 2003	Updated: CDR Document Index to reflect changes. Current version is <i>CDR Document Index 042403.doc</i> .	0.0
	Added: Folder 1.6 “AMS-02 Payload Top Assembly Drawing & Drawing Tree”. Moved Drawing Tree (<i>39135719.pdf</i>) and Top Assembly Drawing (<i>39135720.pdf</i>) from Folder 1.0 into Folder 1.6.	1.0
	Updated: AMS PIH Flight Hardware Drawing Index	1.2
	Added: Folder 1.2.1.6 “USS-02 Top Assembly Drawing”. Moved Top Assembly Drawing from Folder 1.2.1 into Folder	1.2.1

DATE	DESCRIPTION OF CHANGE	FOLDER
	1.2.1.6. Updated: AMS Stress and Fracture Analysis Report Index. (<i>AMS Report Outline.doc</i>) Added: Stress Analysis Report (and Appendix A) for the Lower Center Body Assembly (<i>1.2.2.6 Lower Center Body.pdf</i> and <i>1.2.2.6a Lower Center Body – Appendix A.pdf</i>)	2.2.1 2.2.1.1
April 25, 2003	Revised: RID Forms were corrected to allow electronic (typewritten) entry into the forms. Added: Minimum Margins of Safety Tables for AMS-02 and AMS-02 Vacuum Case. (<i>Minimum Margin of Safety Summary for AMS-02.doc</i> and <i>Minimum Margin of Safety Summary for Ams-02 Vacuum Case.TIF</i>) Added: Stress Analysis Report for Cryomagnet Suspension Straps Clevises and Pins (<i>AMS-02 Cryomagnet Suspsn Straps Stress (Clevises&Pins).TIF</i>) Added: Fracture Analysis Reports for Cryomagnet Suspension Straps Pins, Clevises, and Clevises & Pins. [<i>AMS-02 Cryomagnet Suspension Straps Fracture (Pins).TIF</i> , <i>AMS-02 Cryomagnet Suspension Straps Fracture (Clevises).TIF</i> , and <i>AMS-02 Cryomagnet Suspn Straps Fracture (Clevises&Pins).TIF</i>] Added: Folder 2.2.1.3.14 “Cryocoolers”	0.0 2.2 2.2.1.1 2.2.1.2 2.2.1.3
April 28, 2003	Updated: Stress and Fracture Analysis Report Outline (<i>AMS-02 Stress and Fracture Report Outline.doc</i>) to identify sections of the report not yet in the CDR Data Pack. Added: AMS-02 Wiring Diagram (<i>39136082.pdf</i>) and Wiring Schematic (<i>39136083.pdf</i>)	2.2.1 4.5
April 29, 2003	Added: Folder 1.1.11 “Cryomagnet Avionics Box (CAB)” Added: Folders 1.1.6.1 “Upper ToF”, 1.1.6.2 “Lower ToF”, and 1.1.6.3 “Scintillator Counters” Added: CAB mechanical structure description and drawings (<i>CAB Mechanical outline 2003 03 27.pdf</i>)	1.1 1.1.6 1.1.11

DATE	DESCRIPTION OF CHANGE	FOLDER
	Added: Folder 2.9 “Time of Flight (ToF) Scintillator Counters”	2.0
April 30, 2003	Revised: CDR Agenda was revised to add session for Meteorites & Orbital Debris and change presenter for ACOP. (<i>AMS CDR Agenda 043003a.doc</i>)	0.0
May 1, 2003	<p>Revised: CDR Agenda was revised to add a presentation on the PAS to the Flight Integration Hardware Design Session. (<i>AMS CDR Agenda 050103.doc</i>)</p> <p>Updated: The CDR Document Index was updated to reflect the latest additions and changes. (<i>CDR Document Index 050103.doc</i>)</p> <p>Added: LMSEAT 34044, Test Report for the Alpha Magnetic Spectrometer (AMS-02) Magnet Support Strap Assembly Dynamic Test (<i>LMSEAT34044(U).doc</i>)</p>	0.0 0.0 2.1.2
May 2, 2003	<p>Added: AMS-02 CDR Process Overview (<i>AMS 02 CDR Process Overview4.30.03.ppt</i>)</p> <p>Revised: CDR Agenda was revised to add a Robotics Splinter and provide scheduled times for splinter group meetings on Thursday, May 15.</p> <p>Updated: The CDR Document Index was updated to reflect the latest additions and changes. (<i>CDR Document Index 050203.doc</i>)</p>	0.0 0.0 0.0
May 5, 2003	Added: Drawing SDG39136114, Digiboard – Altered Item Drawing (39136114.pdf) was added to Folder 4.5, “Avionics Flight Drawings”	4.5
May 6, 2003	<p>Revised: CDR Agenda was revised to reorder the Structural Analysis Session on Wednesday, May 14.</p> <p>Replaced: LMSEAT 33847, “Test Plan for the Static Test of the Magnet Support Strap Assembly for the AMS-02” (<i>LMSEAT 33847 (U).doc</i>) with current version.</p> <p>Added: Drawings SID39136110, AFD AMS-02 Wiring Schematic (<i>39136110.pdf</i>); SED39136111, RS422 DDRS-02 / PDIP Cable Assembly (<i>39136111.pdf</i>); and SED39136112, RS422 T-0/PDIP Cable Assembly (<i>39136112.pdf</i>) were added</p>	0.0 2.2 4.5

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	to Folder 4.5, “Avionics Flight Drawings” Revised: SSP 75213, Alpha Magnetic Spectrometer – 02 (AMS-02) Hardware Interface Control Document (ICD) (57213 AMS H-W ICD CDR.doc) was revised to correct document number mismatch in the Applicability Matrix.	7.4
May 7, 2003	Revised: CDR Agenda was revised to reorder to expand the Structural Analysis Session on Wednesday, May 14. The Materials Session was moved to Thursday, May 15. Also on Thursday, Sessions for Integration GSE/GHE and Ground Operations (Europe & KSC) were combined, and the morning sessions were reordered.	0.0
	Updated: The CDR Document Index was updated to reflect the latest additions and changes. (CDR Document Index 050703.doc)	0.0
	Added: Overview of the Compact Superfluid Cooling System (CSC) for the Superconducting Magnet of AMS II (csc2.ppt).	1.1.1
May 9, 2003	Updated: The CDR Document Index was updated to reflect the latest additions and changes. (CDR Document Index 050903.doc)	0.0
	Added: TRD Gas Supply System Box S Mechanical Design Summary (BOX_S_Nov_2002.doc)	1.1.5.2
	Added: TRD Gas Supply System Box S Vibration Test Summary (TIMApril0203.ppt)	2.7
May 10, 2003	Added: Alpha Magnetic Spectrometer (AMS-02) CDR Announcement	0.0
	Updated: CDR Agenda was updated to add AMS Payload Overview (AMS CDR Agenda 051003.doc)	0.0
	Updated: The CDR Document Index was updated to reflect the latest additions and changes. (CDR Document Index 051003.doc)	0.0
	Moved: Overview of the Compact Superfluid Cooling System (CSC) for the Superconducting Magnet of AMS II (csc2.ppt) from Folder 1.1.1 to Folder 5.3.	1.1.1 & 5.3

